

## ABSTRACT OF THE DISCLOSURE

The invention provides a communication line analyzer provided with the filter processing function by the programming system that allows applying various filter conditions and handling sequential filter conditions.

The communication line analyzer receives a reception signal from a communication line, and extracts data through a specific filter condition. The analyzer contains a filter processing user-program with the language function that receives a data before filtering by a user's describing a program, sequentially executes the filter processing, and extracts an objective data after filtering to output. The analyzer also contains a memory in which the filter processing user-program is loaded, and further a sequential filter processor with an operational processing means that executes a specific filter processing to the data before filtering on the basis of the program loaded.

Figure 1